

Listing and Amendments to the Claims

Please cancel claims 1-8 and add new claims 9-15. This listing of claims will replace all prior versions, and listings, of claims in the application:

1-8. Cancelled.

9. (New) Method for addressing pieces of a bitstream to be recorded or being recorded on a storage medium, wherein an address table is used that assigns time information to said pieces and each of said pieces including a constant number of bits, wherein:
- said pieces contain data packets;
 - to each address table entry for said pieces a delta time duration value is assigned in said address table and to each delta time duration value a running index is assigned, wherein a delta time duration value represents the difference between the arrival time of the first data packet of a piece and the arrival time of the data packet following immediately the last data packet of that piece;
 - in order to get the value for a target piece address on said storage medium, all delta time duration values up to the nearest time duration value for the piece having said target address become accumulated and the corresponding running index for the delta time duration entry related to said nearest time duration value is multiplied by said constant bit number in order to compute said target piece address value.
10. (New) Method according to claim 9, wherein said storage medium is one of a Streamer device and a DVD recorder.
11. (New) Method according to claims 9, wherein the size of a piece corresponds to the number of bits of an ECC block or a multiple thereof.

12. (New) Storage medium containing pieces of a bitstream and an address table that assigns time information to said pieces, wherein each of said pieces includes a constant number of bits, and wherein:
- said pieces contain data packets;
 - to each address table entry for said pieces a delta time duration value is assigned in said address table and to each delta time duration value a running index is assigned, wherein a delta time duration value represents the difference between the arrival time of the first data packet of a piece and the arrival time of the data packet following immediately the last data packet of that piece,
- wherein all delta time duration values up to the nearest time duration value for the piece having said target address can be accumulated and the corresponding running index for the delta time duration entry related to said nearest time duration value can be multiplied by said constant bit number in order to compute a target piece address value on said storage medium.
13. (New) Device for recording a bitstream on a storage medium or for replaying a bitstream from a storage medium, wherein for addressing pieces of said bitstream an address table is used that assigns time information to said pieces, and wherein each of said pieces includes a constant number of bits arranged in data packets, said device including:
- a memory storing an address table, wherein to each address table entry a delta time duration value is assigned and to each delta time duration value a running index is assigned, and wherein a delta time duration value represents the difference between the arrival time of the first data packet of a piece and the arrival time of the data packet following immediately the last data packet of that piece;
 - means for calculating the value for a target piece address on said storage medium, wherein all delta time duration values up to the nearest time duration value for the piece having said target address become accumulated and the corresponding running index for the delta time duration entry related to said nearest time duration value is multiplied by said constant bit number in order to compute said target piece address value.

CUSTOMER NO.: 24498
Serial No.: 09/786,185

PATENT
PD980062

14. (New) Device according to claim 13, said device being one of a Streamer device and a DVD recorder.
15. (New) Device according to claim 13, wherein the size of a piece corresponds to the number of bits of an ECC block or a multiple thereof.